

1. A data structure stored on a computer readable medium comprising:

- 10 2. A data structure stored on a computer readable medium  
comprising:

3. A data structure stored on a computer readable medium comprising:

- sub A<sub>1</sub> > 2

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6. A data structure stored on a computer readable medium comprising:

- 30           a packet header; and  
               a payload having a texture unit comprising bits from a plurality of  
 DC transform coefficients that form a single bitplane.

7. A method for packetizing a hierarchical subband decomposed image having a plurality of decomposition levels, said method comprising the steps of:

- (a) generating a packet header; and
- 5 (b) generating a payload having at least one texture unit consisting only of AC coefficients from a single subband of the hierarchical subband decomposed image.

8. A method for packetizing a hierarchical subband decomposed image having a plurality of decomposition levels, said method comprising the steps of:

- (a) generating a packet header; and
- (b) generating a payload having at least one texture unit consisting only of AC coefficients from all subbands of a decomposition level of the
- 15 hierarchical subband decomposed image.

9. A method for packetizing a hierarchical subband decomposed image having a plurality of decomposition levels, said method comprising the steps of:

- 20 (a) generating a packet header; and
- (b) generating a payload having a texture unit consisting only of AC coefficients across  $n$  subbands, where  $n$  represents a number smaller than a number of the decomposition levels of the hierarchical subband decomposed image.

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10. The method of claim 9, where  $n$  is two.

11. The method of claim 9, where  $n$  is three.

30 12. A method for packetizing a hierarchical subband decomposed image having a plurality of decomposition levels, said method comprising the steps of:

- (a) generating a packet header; and

13. A method for packetizing a hierarchical subband decomposed image having a plurality of decomposition levels, said method comprising the steps of:

(b) generating a payload for carrying coefficients, where said payload has a payload size that varies in accordance with coefficients from a subband or decomposition level of said hierarchical subband decomposed image.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99